High Speed Centrifuge LX130HSC

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Description

High Speed Centrifuge LX130HSC is a table top unit with a high speed of up to 20000rpm for effective separation and filtration of given samples. Equipped with microcomputer controller which automatically calibrates and sets centrifugal force value concerning its required speed. HD large LCD panel for viewing ongoing parameters with simultaneous regulation of speed and time. Integrated with overheat, over speed, automated lid-locking system, automatic rotor distinguish, and self-balancing technique.

Specifications

Maximum speed	20000 rpm
Maximum RCF	30677 x g
Maximum capacity	4 x 250 ml
Timer range	1s - 99 h 59 min 59s
Rotor automatic recognition	Yes
Noise	≤62dB (A)
Revolutions/min	±10r/min
Power	750 W
Power supply	AC 220±22V 50Hz 15A or Custom
Dimensions	430 x 545 x 400 mm
Weight	50 kg
Packing dimensions	750 x 850 x 700 mm
Gross weight	120 kg

Features

- Centrifugal speed – 20000 rpm
- Built-in over-speed, over-heat, and unbalance protection with auto lid lock safety function
- It has up to 10 levels of acceleration/deceleration with linear drive
- Equipped with a microcomputer controller, AC frequency conversion brush-less motor with fast speed and stable operation
- It has five groups of user-defined preset programs
- It can store 99 program groups and with a shortcut key
- Two modes can be set: start timing and arrival revolution timing
- Equipped with a special noise reduction system

- An intimate tool rack is provided for accompanying tools to guard the instrument at all times
- The front of the fuselage is designed with an operation SOP guide map, which makes it easier and more standard for laboratory personnel to use the instrument
- Came with a rotor cover that can be quickly locked for easy use
- Ergonomic, low opening height, close the centrifuge cover with one press

Applications

- Used in life science, biochemical, and clinical labs for precipitate separation and serum analysis, in the pharmaceutical industry, etc., and is perfect for DNA, RNA, PCR, or antibody analysis.

Rotor Selection

Rotor	Maximum speed (rpm)	Maximum capacity (ml)	Maximum RCF (x g)
Angle rotor 01	20000	16 x 1.5 / 2.0 ml	30677
Angle rotor 02	17500	24 x 1.5 / 2.0 ml	29410
Angle rotor 03	16000	12 x 5 ml	17344
Angle rotor 04	14000	12 x 10 ml	17760
Angle rotor 05	14000	32 x 1.5 / 2.0 ml	19940
Angle rotor 06	14000	48 x 1.5 / 2.0 ml	21255
Angle rotor 07	13000	6 x 50 ml (Round bottom)	17146
Angle rotor 08	12000	6 x 50 ml (Conical/round bottom)	16227
Angle rotor 09	12000	12 x 15 ml (Conical bottom)	16340
Angle rotor 10	12000	4 x 100	17016
Angle rotor 11	11000	6 x 100	14757
Angle rotor 12	10000	8 x 50 ml (Conical/round bottom)	12610
Angle rotor 13	14000	60 x 1.5 ml (swing-out rotor)	16400
Angle rotor 14	5000	40 x 15 ml (W)	4919

Swing-out rotor 01	4500	4 x 100 ml	3010
Swing-out rotor 02	4200	4 x 250 ml (Round bucket)	3352
Swing-out rotor 03	4200	4 x 250 ml (Square bucket)	3352
Swing-out rotor 04	4200	Micro-plate 2 x 2 x 96 hole	2267

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